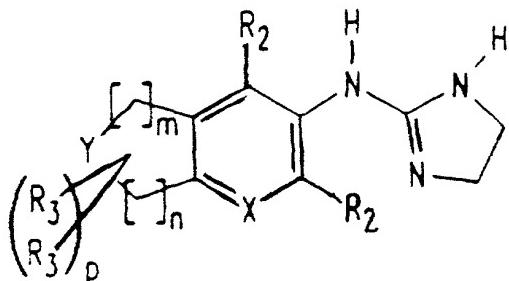


What is claimed is:

1. A compound having the structure:

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wherein X is CR_7 ; N; or N^+O^- ;

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wherein Y is O; CO; S; CR_3R_5 ; or NR_6 ;

20

wherein each R_2 is independently H; F; Cl; Br; I; $-NO_2$,
-CN; straight chained or branched C_1-C_4 alkyl; C_1-C_4 monofluoroalkyl or C_1-C_4 polyfluoroalkyl; straight
chained or branched C_1-C_4 alkoxy; -OH; $-(CH_2)_qOH$; -COR₄;
 CO_2R_4 ; CONHR₄; phenyl; or benzyl;

25

wherein each R_3 is independently H; straight chained or
branched C_1-C_4 alkyl; C_1-C_4 monofluoroalkyl or C_1-C_4 polyfluoroalkyl; straight chained or branched C_1-C_4 alkoxy;
 $-(CH_2)_qOH$; -OH; =N-OR₄; COR₄; CO_2R_4 ; CONHR₄;
phenyl; or benzyl;

30

wherein each R_4 is independently H; straight chained or
branched C_1-C_4 alkyl, C_1-C_4 monofluoroalkyl or C_1-C_4 polyfluoroalkyl; or phenyl;

wherein each R₅ is independently H; straight chained or branched C₁-C₄ alkyl, C₁-C₄ monofluoroalkyl, or C₁-C₄ polyfluoroalkyl;

5 wherein R₆ is H; straight chained or branched C₁-C₄ alkyl; C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy; -CH₂CH₂(CH₂)_qOH; COR₄; CO₂R₄; CONHR₄; phenyl; or benzyl;

10 wherein each R₇ is independently H; -CN; straight chained or branched C₁-C₄ alkyl; C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy; -OH; -(CH₂)_qOH; -COR₄; CO₂R₄; CONHR₄; phenyl; or benzyl;

15 wherein m and n are each independently 0, 1, 2 or 3, provided that m+n is 2 or 3;

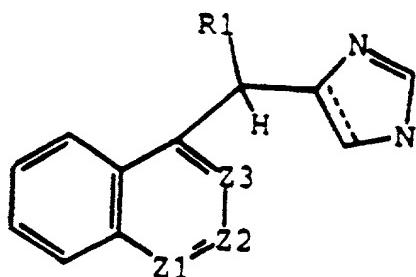
wherein each p is independently 0, 1 or 2; and

20 wherein each q is independently 0, 1, 2 or 3;

or a pharmaceutically acceptable salt thereof.

25

2. A compound having the structure:



wherein each of Z1, Z2 and Z3 is N or CR₂, with the proviso that either one of Z1, Z2 or Z3 is N and the others of Z1, Z2 or Z3 are CR₂, or both Z1 and Z3 are N and Z2 is CR₂;

15

wherein R₁ is H; F; straight chained or branched C₁-C₄ alkyl, C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy, -OH; or

20

- (CH₂)_qOH;

25

wherein each R₂ is independently H; F; Cl; Br; I; -NO₂, -CN; straight chained or branched C₁-C₄ alkyl; C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy; -OH; - (CH₂)_qOH; -COR₄; CO₂R₄; CONHR₄; phenyl; or benzyl;

30

wherein each R₄ is independently H; straight chained or branched C₁-C₄ alkyl, C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; or phenyl; and

wherein q is each independently 0, 1, 2 or 3;

or a pharmaceutically acceptable salt thereof.

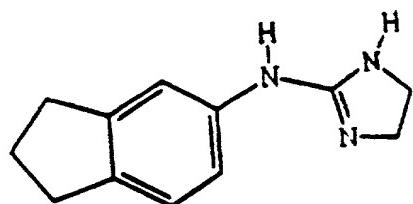
3. The compound of claim 1 or 2, wherein the compound comprises the (+) enantiomer.
4. The compound of claim 1 or 2, wherein the compound comprises the (-) enantiomer.
- 5
5. The compound of claim 1, wherein Y is CR_3R_5 , and m+n is 3.
- 10 6. The compound of claim 1, wherein Y is CR_3R_5 and m+n is 2.
7. The compound of claim 1, wherein Y is NR_6 .
- 15 8. The compound of claim 1, wherein X is N.
9. The compound of claim 2, wherein two of Z1, Z2 and Z3 are CR_2 and the other is N.
- 20 10. The compound of claim 5, wherein p is at least 1 and at least one R_3 is methyl.
11. The compound of claim 5, wherein at least one R_2 is methyl.
- 25 12. The compound of claim 6, wherein at least one R_2 is bromo.
13. The compound of any one of claims 10, 11, or 12, wherein X is N.
- 30 14. The compound of claim 9, wherein at least one R_2 is methyl or phenyl.

15. The compound of claim 9, wherein R₁ is C₁-C₃ alkyl, C₁-C₃ alkoxy, or -OH.

16. The compound of claim 6 having the structure:

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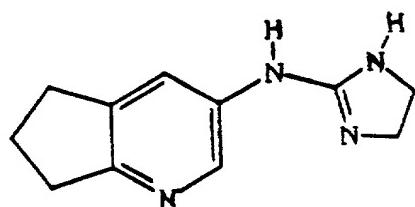
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17. The compound of claim 6 having the structure:

20

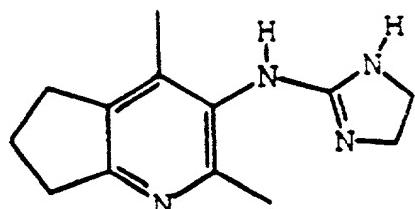
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18. The compound of claim 6 having the structure:

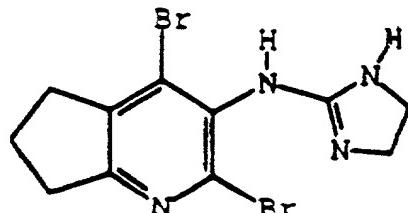
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19. The compound of claim 12 having the structure:

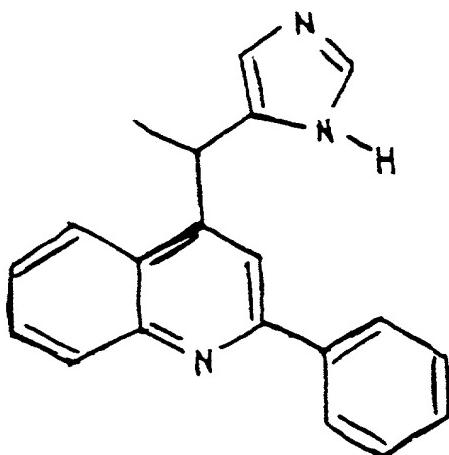
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20. The compound of claim 15 having the structure:

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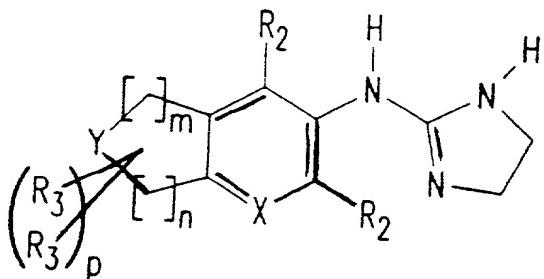
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21. A pharmaceutical composition comprising a therapeutically effective amount of a compound of claim 1 or 2 and a pharmaceutically acceptable carrier.

5 22. A method for treating an α_2 adrenergic receptor associated disorder in a subject, which comprises administering to the subject an amount of a compound effective to treat the disorder, wherein the compound has the structure:

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wherein X is CR₇; N; or N⁺O⁻;

wherein Y is O; CO; S; CR₃R₅; or NR₆;

25

wherein each R₂ is independently H; F; Cl; Br; I; -NO₂; -CN; straight chained or branched C₁-C₄ alkyl; C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy; -OH; -(CH₂)_qOH; -COR₄; CO₂R₄; CONHR₄; phenyl; or benzyl;

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wherein each R₃ is independently H; straight chained or branched C₁-C₄ alkyl; C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy; -(CH₂)_qOH; -OH; =N-OR₄; COR₄; CO₂R₄; CONHR₄; phenyl; or benzyl;

35

wherein each R₄ is independently H; straight chained or branched C₁-C₄ alkyl; C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; or phenyl;

5 wherein each R₅ is independently H; straight chained or branched C₁-C₄ alkyl, C₁-C₄ monofluoroalkyl, or C₁-C₄ polyfluoroalkyl;

10 wherein R₆ is H; straight chained or branched C₁-C₄ alkyl; C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy; -CH₂CH₂(CH₂)_qOH; COR₄; CO₂R₄; CONHR₄; phenyl; or benzyl;

15 wherein each R₇ is independently H; -CN; straight chained or branched C₁-C₄ alkyl; C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy; -OH; -(CH₂)_qOH; -COR₄; CO₂R₄; CONHR₄; phenyl; or benzyl;

20 wherein m and n are each independently 0, 1, 2 or 3, provided that m+n is 2 or 3;

wherein each p is independently 0, 1 or 2; and

25 wherein each q is independently 0, 1, 2 or 3;

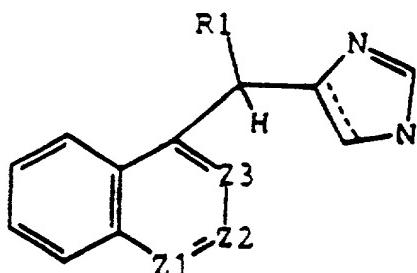
or a pharmaceutically acceptable salt thereof.

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23. A method for treating an α_1 adrenergic receptor associated disorder in a subject, which comprises administering to the subject an amount of a compound effective to treat the disorder, wherein the compound has the structure:

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wherein each of Z1, Z2 and Z3 is N or CR₂, with the proviso that either one of Z1, Z2 or Z3 is N and the others of Z1, Z2 or Z3 are CR₂, or both Z1 and Z3 are N and Z2 is CR₂;

20

wherein R₁ is H; F; straight chained or branched C₁-C₄ alkyl, C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy, -OH; or - (CH₂)_qOH;

25

wherein each R₂ is independently H; F; Cl; Br; I; -NO₂; -CN; straight chained or branched C₁-C₄ alkyl; C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy; -OH; - (CH₂)_qOH; -COR₄; CO₂R₄; CONHR₄; phenyl; or benzyl;

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wherein each R₄ is independently H; straight chained or branched C₁-C₄ alkyl, C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; or phenyl; and

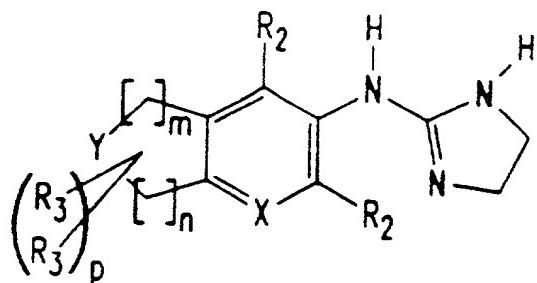
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wherein q is each independently 0, 1, 2 or 3;

or a pharmaceutically acceptable salt thereof.

5 24. The method of claim 22 or 23, wherein the disorder is
migraine headache, hypertension or glaucoma.

10 25. A method for treating pain in a subject, which
comprises administering to the subject an amount of a
compound effective to treat the subject's pain, wherein
the compound has the structure:



20 wherein X is CR7; N; or N+O-;

25 wherein Y is O; CO; S; CR3R5; or NR5;

30 wherein each R2 is independently H; F; Cl; Br; I; -NO2;
-CN; straight chained or branched C1-C4 alkyl; C1-C4
monofluoroalkyl or C1-C4 polyfluoroalkyl; straight
chained or branched C1-C4 alkoxy; -OH; -(CH2)2OH; -COR4;
CO2R4; CONHR4; phenyl; or benzyl;

wherein each R3 is independently H; straight chained or
branched C1-C4 alkyl; C1-C4 monofluoroalkyl or C1-C4
polyfluoroalkyl; straight chained or branched C1-C4

alkoxy; $-(\text{CH}_2)_q\text{OH}$; $-\text{OH}$; $=\text{N}-\text{OR}_4$; COR_4 ; CO_2R_4 ; CONHR_4 ; phenyl; or benzyl;

5 wherein each R_4 is independently H; straight chained or branched $C_1\text{-}C_4$ alkyl, $C_1\text{-}C_4$ monofluoroalkyl or $C_1\text{-}C_4$ polyfluoroalkyl; or phenyl;

10 wherein each R_5 is independently H; straight chained or branched $C_1\text{-}C_4$ alkyl, $C_1\text{-}C_4$ monofluoroalkyl, or $C_1\text{-}C_4$ polyfluoroalkyl;

15 wherein R_6 is H; straight chained or branched $C_1\text{-}C_4$ alkyl; $C_1\text{-}C_4$ monofluoroalkyl or $C_1\text{-}C_4$ polyfluoroalkyl; straight chained or branched $C_1\text{-}C_4$ alkoxy; $-\text{CH}_2\text{CH}_2(\text{CH}_2)_q\text{OH}$; COR_4 ; CO_2R_4 ; CONHR_4 ; phenyl; or benzyl;

20 wherein each R_7 is independently H; $-\text{CN}$; straight chained or branched $C_1\text{-}C_4$ alkyl; $C_1\text{-}C_4$ monofluoroalkyl or $C_1\text{-}C_4$ polyfluoroalkyl; straight chained or branched $C_1\text{-}C_4$ alkoxy; $-\text{OH}$; $-(\text{CH}_2)_q\text{OH}$; $-\text{COR}_4$; CO_2R_4 ; CONHR_4 ; phenyl; or benzyl;

wherein m and n are each independently 0, 1, 2 or 3, provided that $m+n$ is 2 or 3;

25 wherein each p is independently 0, 1 or 2; and

wherein each q is independently 0, 1, 2 or 3;

30 or a pharmaceutically acceptable salt thereof.

26. A method for treating pain in a subject, which comprises administering to the subject an amount of a compound effective to treat the subject's pain, wherein the compound has the structure:

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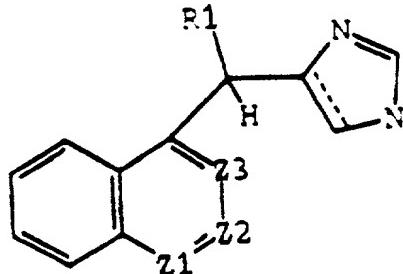
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wherein each of Z1, Z2 and Z3 is N or CR₂, with the proviso that either one of Z1, Z2 or Z3 is N and the others of Z1, Z2 or Z3 are CR₂, or both Z1 and Z3 are N and Z2 is CR₂;

wherein R₁ is H; F; straight chained or branched C₁-C₄ alkyl, C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy, -OH; or - (CH₂)_qOH;

wherein each R₂ is independently H; F; Cl; Br; I; -NO₂; -CN; straight chained or branched C₁-C₄ alkyl; C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; straight chained or branched C₁-C₄ alkoxy; -OH; - (CH₂)_qOH; -COR₄; CO₂R₄; CONHR₄; phenyl; or benzyl;

wherein each R₄ is independently H; straight chained or branched C₁-C₄ alkyl, C₁-C₄ monofluoroalkyl or C₁-C₄ polyfluoroalkyl; or phenyl; and

wherein q is each independently 0, 1, 2 or 3;

or a pharmaceutically acceptable salt thereof.